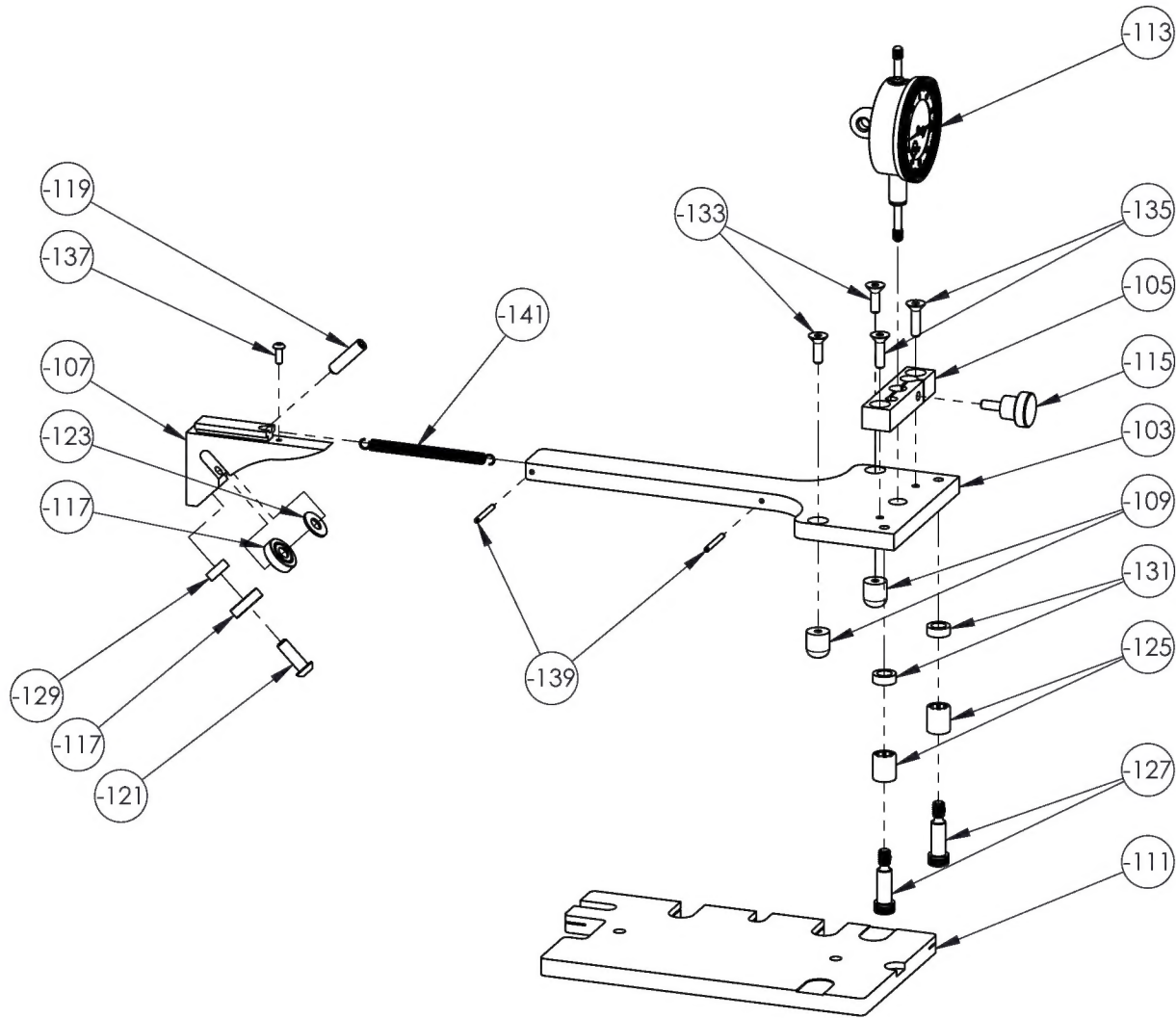
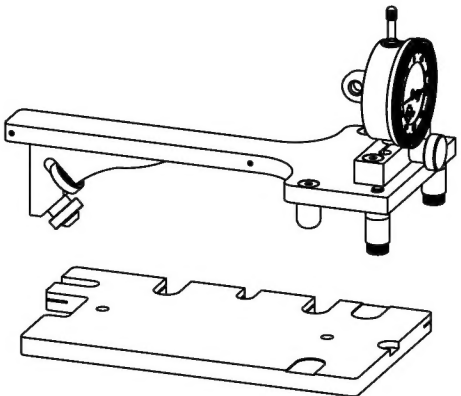


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| REVISIONS | | | | | |
|-----------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 1 | | UPDATED TITLEBLOCK & REVISION BLOCK, UPDATED CONTACT INFO & ADDED PIN HOLES PG #1 & ENGRAVE NOTE ON BODY P/N -103. | 6/2/2009 | RJC | - |
| 2 | | CH'D CUT WITH BAND SAW TO EDM P/N -105 PER G.E. | 10/28/2009 | RJC | GE |
| 2A | | ADDED ASSY. VIEW OF TOOL TO SHOW -111, ADDED TOOL INSTRUCTIONS. | 2/11/2010 | RJC | RW |
| 3 | 16-0231 | UPDATED TO NEW STANDARD. UPDATED USED ON MODELS. ADDED DASH NUMBERS TO B/O PARTS. -103 CH'D ENGRAVE NOTE WAS ENGRAVE P/N, S/N, "MADE IN USA" IS ENGRAVE T/N, S/N, "MADE IN USA". CH'D DIMS WAS .344 IS .34, WAS .350 IS 2X .350, WAS .665 IS 2X .665, WAS 1.850 IS 2X 1.850, WAS 2.38 IS 2X 2.38, WAS .500 IS 3X .50, WAS .28 IS (.28), WAS .375 IS .38, WAS 2X Ø.094 IS 2X Ø.094-.097 THRU ALL (P.F. -139). WAS .105 IS .105+.000-.005 (S.F. -107). WAS .300 IS .300+.010-.000 (S.F. -107). WAS 2.383 IS 2.38, DELETED DIMS .907, 2.70, ADDED DIMS .56, 2.55. ADDED FINISH SPEC MIL-A-8625F, TYPE II, CLASS II. -105 CH'D DIMS WAS .310 IS 4X .310, WAS .650 IS .65, WAS 2.750 IS 2.75. ADDED DIM .25. ADDED FINISH SPEC MIL-A-8625F, TYPE II, CLASS II. -107 CH'D MAT'L WAS NYLON OR DELRIN IS NYLON/DELIN/ACETAL. CH'D DIMS WAS .530 IS (.530), WAS 1.900 IS 1.90. WAS .135 IS 2X .130, WAS .105 IS 2X .110+.005-.000 (S.F. -103). ADDED DIMS .25, .25, .500+.000-.005 (S.F. -103). -109 CH'D MAT'L WAS NYLON OR DELRIN IS NYLON/DELIN/ACETAL. CH'D DIM WAS Ø.13 IS (Ø.13). -111 CH'D DIMS WAS 1.25 IS 2X 1.25, WAS .40 IS .39. -113 ADDED B/O REF (#76450071). -115 CH'D B/O REF WAS #KKT-1A OR #KKT-11A IS (#SKA-1). -117 CH'D B/O REF WAS #NNB-04 IS (#35437417). -119 ADDED B/O REF (#91375A542). -121 ADDED B/O REF (#91255A540). -123 ADDED B/O REF (#90107A029). -127 ADDED B/O REF (#91264A540). -129 CH'D QTY WAS 5 IS 1. CH'D B/O REF WAS #94639A138 IS (#94639A568). -131 ADDED TO BOM QTY 2, ADDED DRAWING. -133 ADDED B/O REF (#92210A244). -135 ADDED B/O REF (#92210A245). -137 ADDED B/O REF (#92949A146). -139 ADD B/O REF (#92373A149). -141 CH'D B/O REF WAS ES-0414 OR #80309S IS (#80309S). | 11/23/2016 | DPD | JAG |



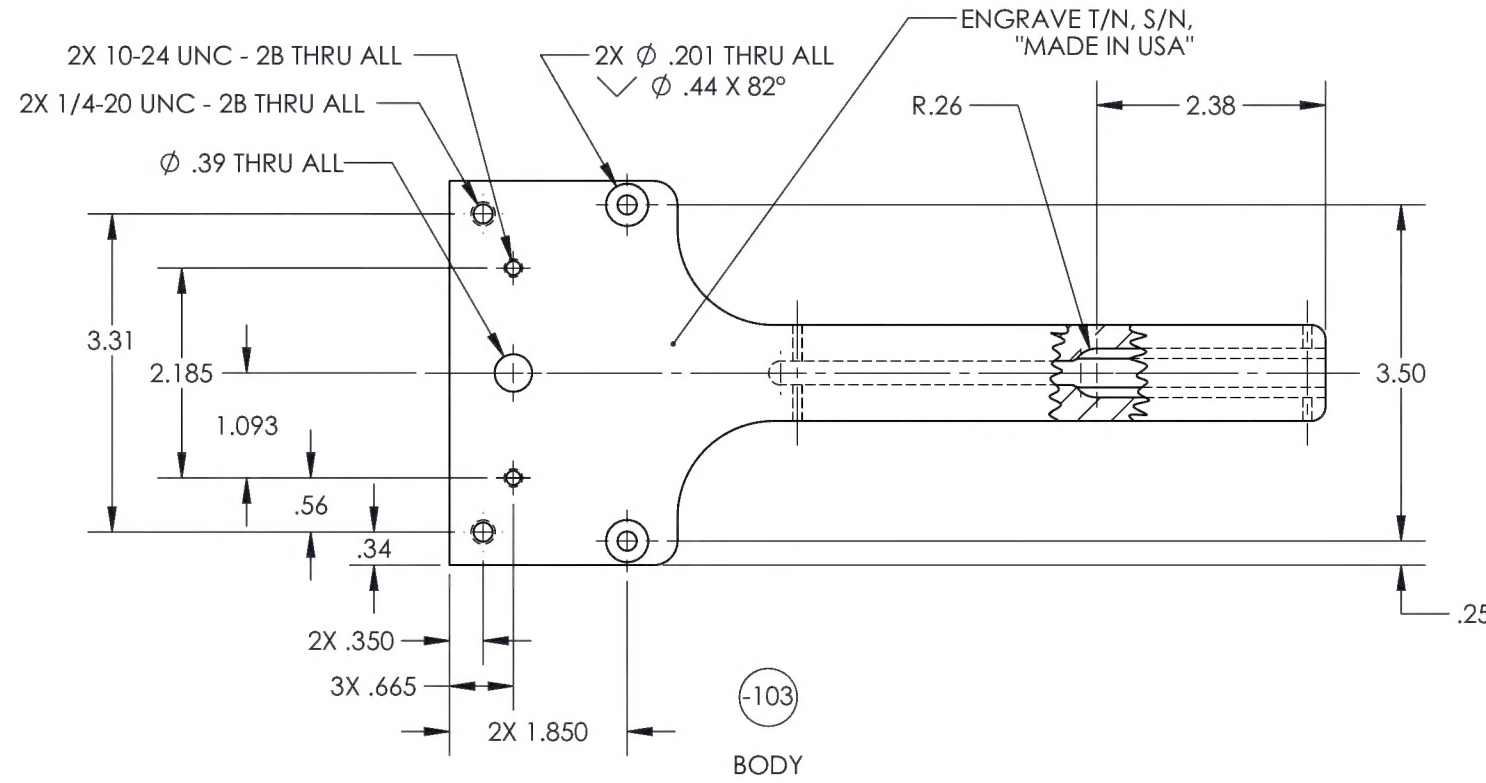
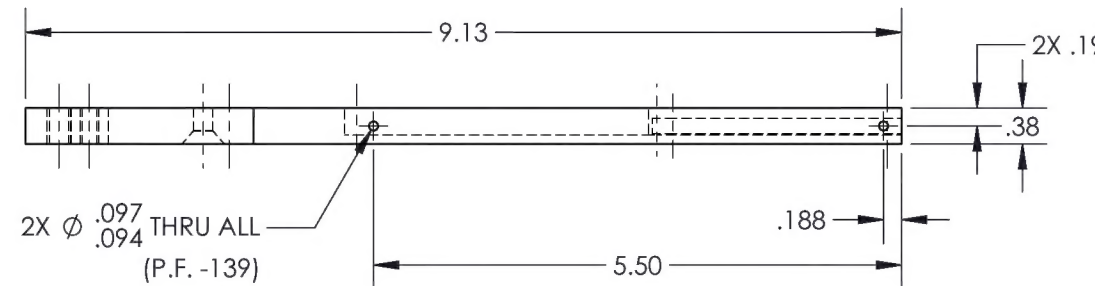
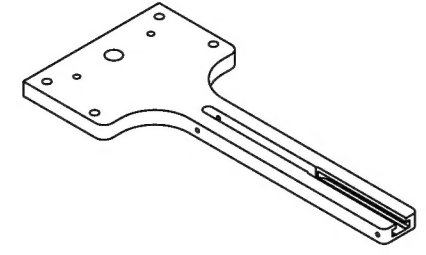
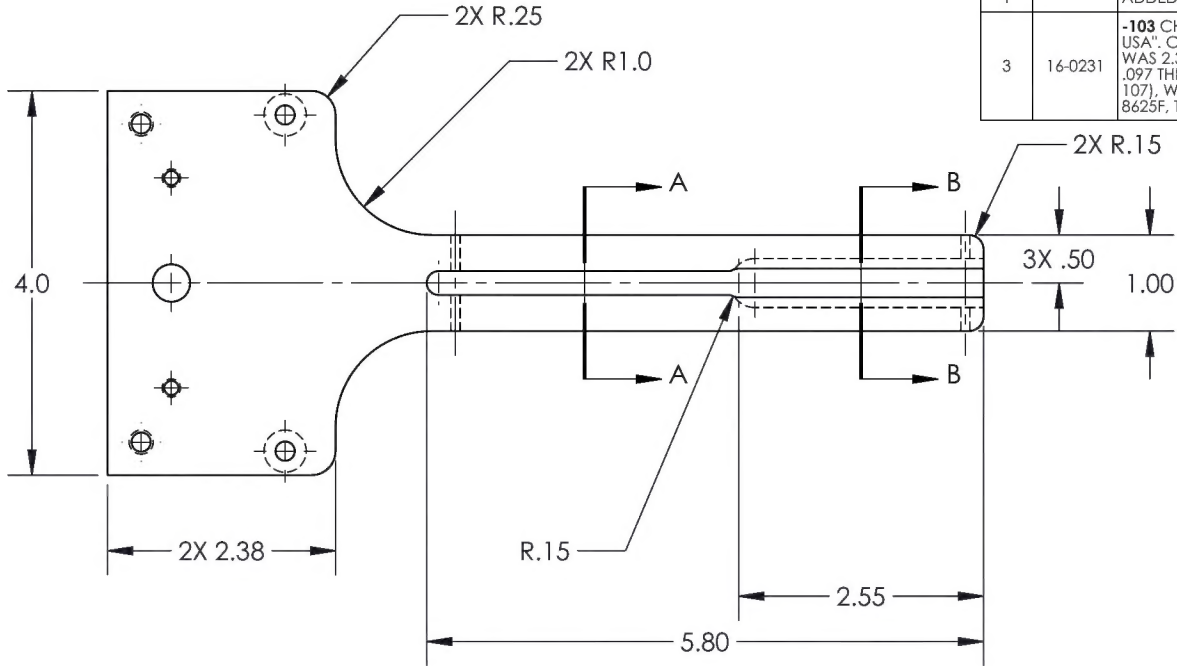
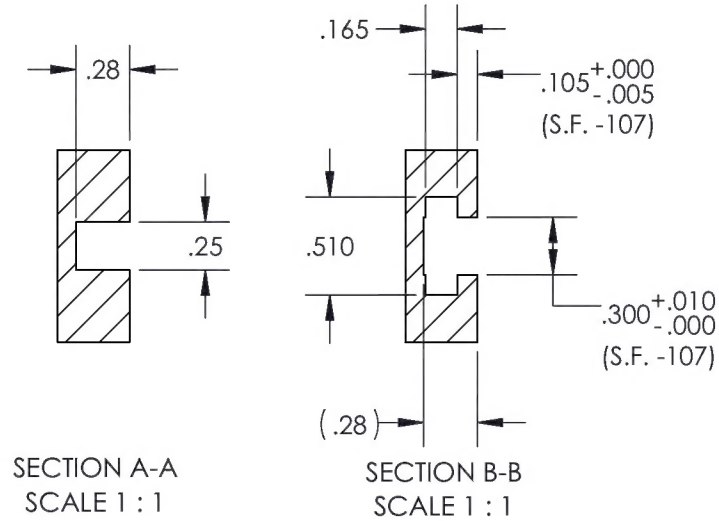
| ASSY QTY | ASSY QTY | B/O | Part # | UNIT QTY | Description | Material | B/O INFORMATION OR SPECIFICATIONS | PG. |
|----------|----------|-----|--------|----------|-----------------------|--------------------|-------------------------------------------------------------------|-----|
| | | | -103 | 1 | BODY | 6061 | | 2 |
| | | | -105 | 1 | BRIDGE | 6061 | | 3 |
| | | | -107 | 1 | HOOK | NYLON/DELIN/ACETAL | | 4 |
| | | | -109 | 2 | GLIDE | NYLON/DELIN/ACETAL | | 5 |
| | | | -111 | 1 | TAB BENDER | NYLON/DELIN/ACETAL | | 6 |
| | | B/O | -113 | 1 | DIAL INDICATOR | | Ø2-9/32, 1 in RANGE, 0-100 DIAL, .001 GRADUATION (MSC #76450071) | 1 |
| | | B/O | -115 | 1 | KNURLED KNOB | STEEL | 10-24 X 1/2 (ESSENTIA COMPONENTS #SKA-1) | 1 |
| | | B/O | -117 | 2 | ROLLER BEARING | PLASTIC | Ø3/4 O.D. X 7/32 (MSC #35437417) | 1 |
| | | B/O | -119 | 1 | SET SCREW | STEEL | 1/4-20 X 1 (MCMASTER-CARR #91375A542) | 1 |
| | | B/O | -121 | 1 | SCREW | STEEL | 1/4-20 X 3/4 (MCMASTER-CARR #91255A540) | 1 |
| | | B/O | -123 | 1 | WASHER | S.S. | Ø1/4 X .043-.057 THICK (MCMASTER-CARR #90107A029) | 1 |
| | | B/O | -125 | 2 | NEEDLE BEARING | | Ø5/16 I.D. X Ø1/2 O.D. X 9/16 (MSC #09016452) | 1 |
| | | B/O | -127 | 2 | SHOULDER BOLT | STEEL | Ø5/16 X 3/4, 1/4-20 X 7/16 (MCMASTER-CARR #91264A540) | 1 |
| | | B/O | -129 | 1 | SPACER | NYLON | Ø1/2 O.D. X Ø1/4 I.D. X 3/16 (MCMASTER-CARR #94639A568) | 1 |
| | | | -131 | 2 | MODIFIED SPACER | NYLON | Ø1/2 O.D. X Ø1/4 I.D. X 3/16 (MCMASTER-CARR #94639A568) MODIFIED | 7 |
| | | B/O | -133 | 2 | FLAT HEAD SCREW | S.S. | 10-24 X 5/8 (MCMASTER-CARR #92210A244) | 1 |
| | | B/O | -135 | 2 | FLAT HEAD SCREW | S.S. | 10-24 X 3/4 (MCMASTER-CARR #92210A245) | 1 |
| | | B/O | -137 | 1 | BUTTON HEAD CAP SCREW | S.S. | 6-32 X 3/8 (MCMASTER-CARR #92949A146) | 1 |
| | | B/O | -139 | 2 | ROLL PIN | S.S. | Ø3/32 X 1 (MCMASTER-CARR #92373A149) | 1 |
| | | B/O | -141 | 1 | EXTENSION SPRING | S.S. | Ø.240 O.D. X Ø.031 WIRE X 2.25, 2 LBS/IN (CENTURY SPRING #80309S) | 1 |

NOTE:
REFERENCE MD T/N: 369H9928-101.

| DART AEROSPACE | | | |
|---------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| TITLE TAB TOOL | | | |
| DWG NO. RBH9928-101 | | | REV 3 |
| MAT'L HEAT TREAT FINISH SPEC | | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ±.5° .X ± .1 SURFACES = 125/✓ | |
| DRAWN BY: | PERRITT | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R | |
| CHECKED: | MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING | |
| OPPS APPR: | ANDERSON | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| QA APPR: | LINDSAY | USED ON MODEL | |
| APPROVED: | GILBERT | MD500, MD520, MD530 | |
| SCALE | 1:4 | DATE | 8/15/2007 |
| | | SHEET 1 OF 9 | |

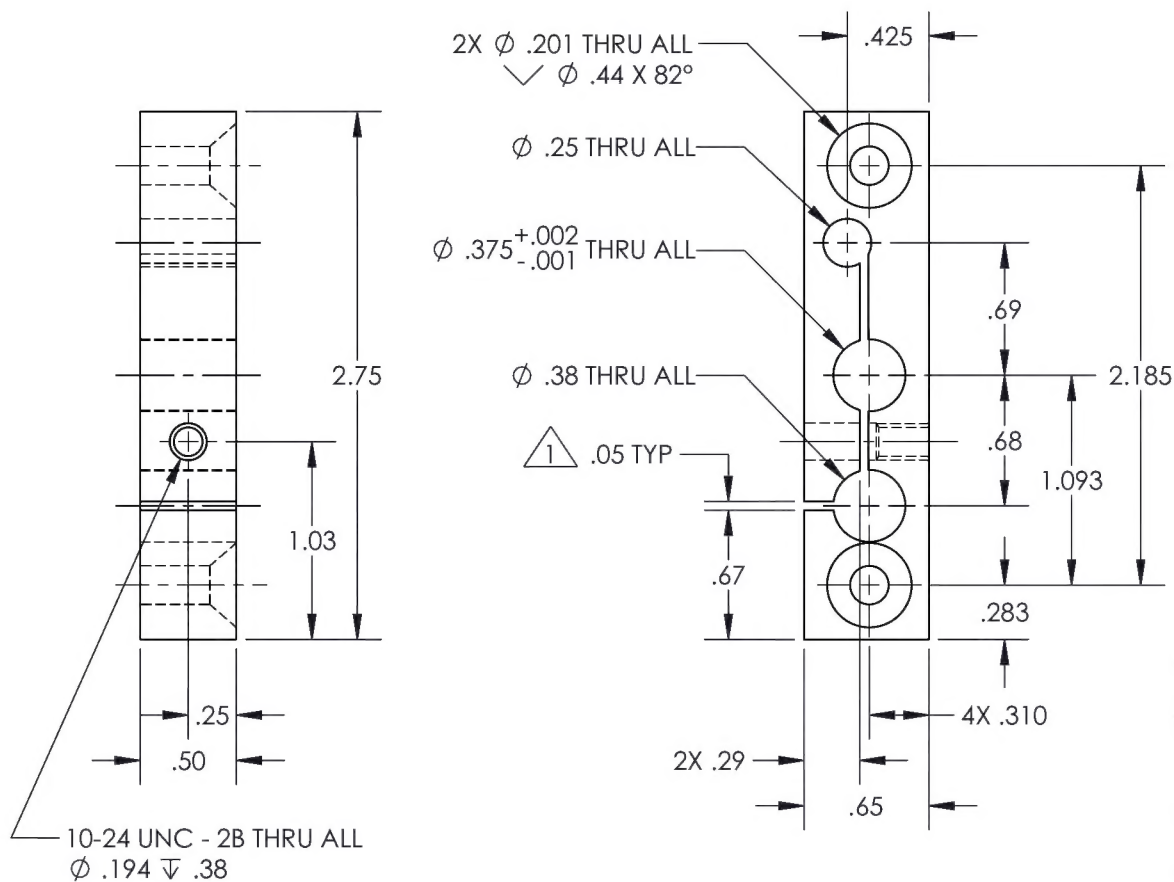
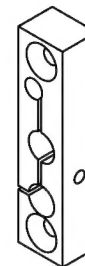
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| REVISIONS | | | DATE | INITIAL | APPROVED |
|-----------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|----------|
| REV | ECR | DESCRIPTION | | | |
| 1 | | ADDED PIN HOLES PG #1 & ENGRAVE NOTE ON BODY P/N -103. | 6/2/2009 | RJC | - |
| 3 | 16-0231 | -103 CH'D ENGRAVE NOTE WAS ENGRAVE P/N, S/N. "MADE IN USA" IS ENGRAVE T/N, S/N. "MADE IN USA". CH'D DIMS WAS .344 IS .34, WAS .350 IS 2X .350, WAS .665 IS 2X .665, WAS 1.850 IS 2X 1.850, WAS 2.38 IS 2X 2.38, WAS .500 IS 3X .50, WAS .28 IS (.28), WAS .375 IS .38, WAS 2X Ø.094 IS 2X Ø.094-.097 THRU ALL (P.F. -139), WAS .105 IS .105+.000-.005 (S.F. -107), WAS .300 IS .300+.010-.000 (S.F. -107), WAS 2.383 IS 2.38, DELETED DIMS .907, 2.70. ADDED DIMS .56, 2.55. ADDED FINISH SPEC MIL-A-8625F, TYPE II, CLASS II. | 11/23/2016 | DPD | JAG |



| DART AEROSPACE | | |
|-------------------------------------|--------------------------------------------------------|--------------|
| TITLE TAB TOOL | | |
| DWG NO. RBH9928-101-103 | REV 3 | |
| MAT'L 6061 | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | |
| HEAT TREAT | .XXX ± .005 FRACTIONS ± 1/8 | |
| FINISH RED ANODIZE | .XX ± .01 ANGLES ± 5° | |
| SPEC MIL-A-8625F, TYPE II, CLASS II | .X ± .1 SURFACES = 125/✓ | |
| DRAWN BY: PERRITT | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R | |
| CHECKED: MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING | |
| OPPS APPR: ANDERSON | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| QA APPR: LINDSAY | USED ON MODEL | |
| APPROVED: GILBERT | MD500, MD520, MD530 | |
| SCALE 1:2 | DATE 8/15/2007 | SHEET 2 OF 9 |

| REVISIONS | | | | | |
|-----------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 2 | | CH'D CUT WITH BAND SAW TO EDM P/N -105 PER G.E. | 10/28/2009 | RJC | |
| 3 | 16-0231 | -105 CH'D DIMS WAS .310 IS 4X .310, WAS .650 IS .65, WAS 2.750 IS 2.75. ADDED DIM .25. ADDED FINISH SPEC MIL-A-8625F, TYPE II, CLASS II. | 11/23/2016 | DPD | JAG |



1 SLOTS ARE EDM.



TAB TOOL

RBH9928-101-105

| | |
|-----|---|
| REV | 3 |
|-----|---|

DIMENSIONS ARE IN INCHES

| | |
|-------------|-----------------|
| .XXX ± .005 | FRACTIONS ± 1/8 |
| .XX ± .01 | ANGLES ± .5° |
| .X ± .1 | SURFACES = 125/ |

MD500, MD520, MD530

SHEET 3 OF 9

1:1

| |
|------|
| DATE |
|------|

8/15/2007

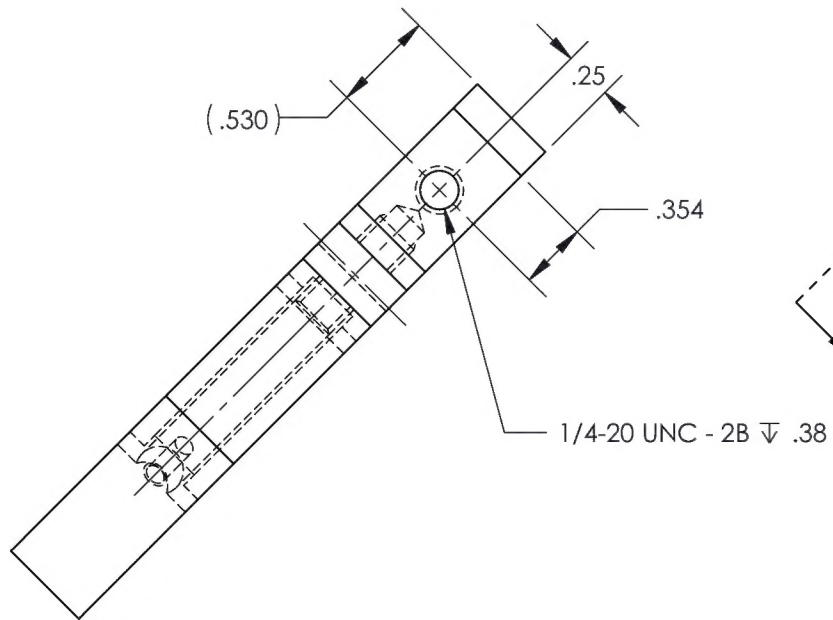
SHEET 3 OF 9

(-105)

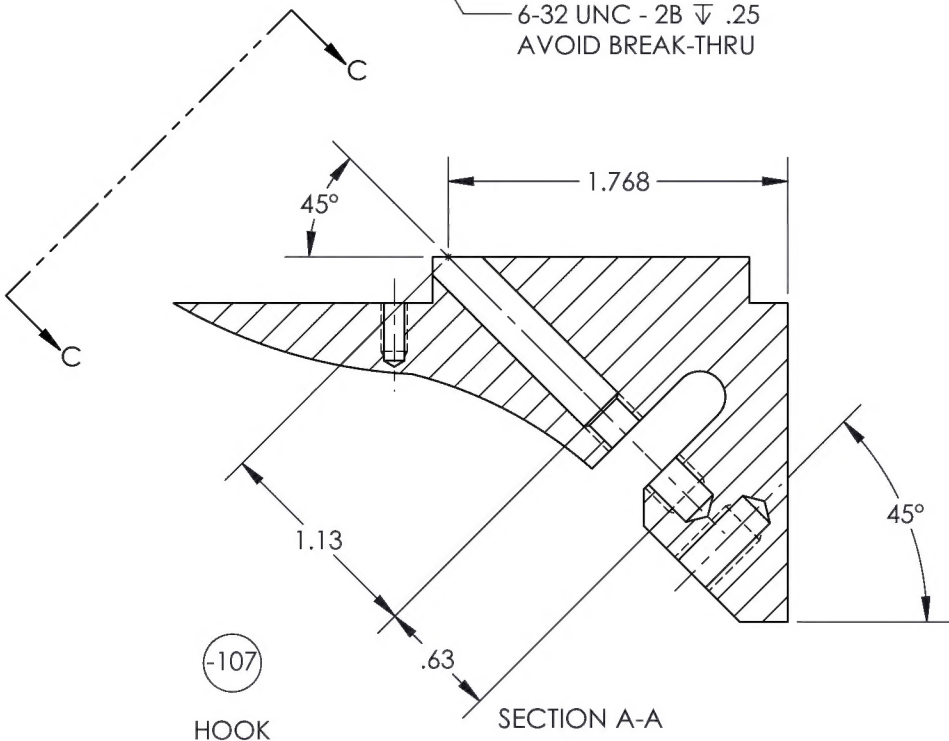
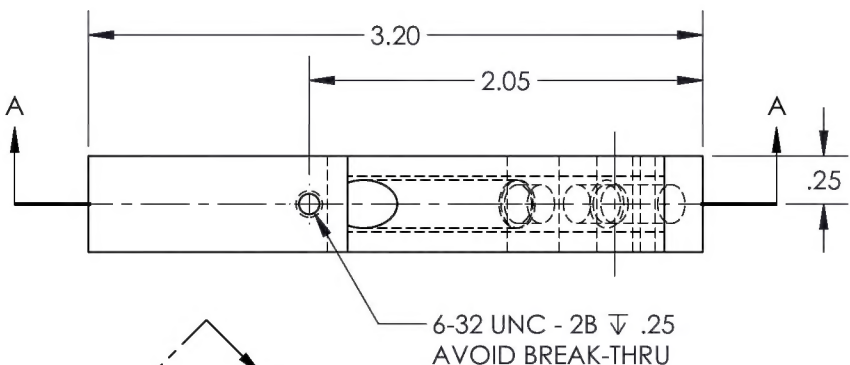
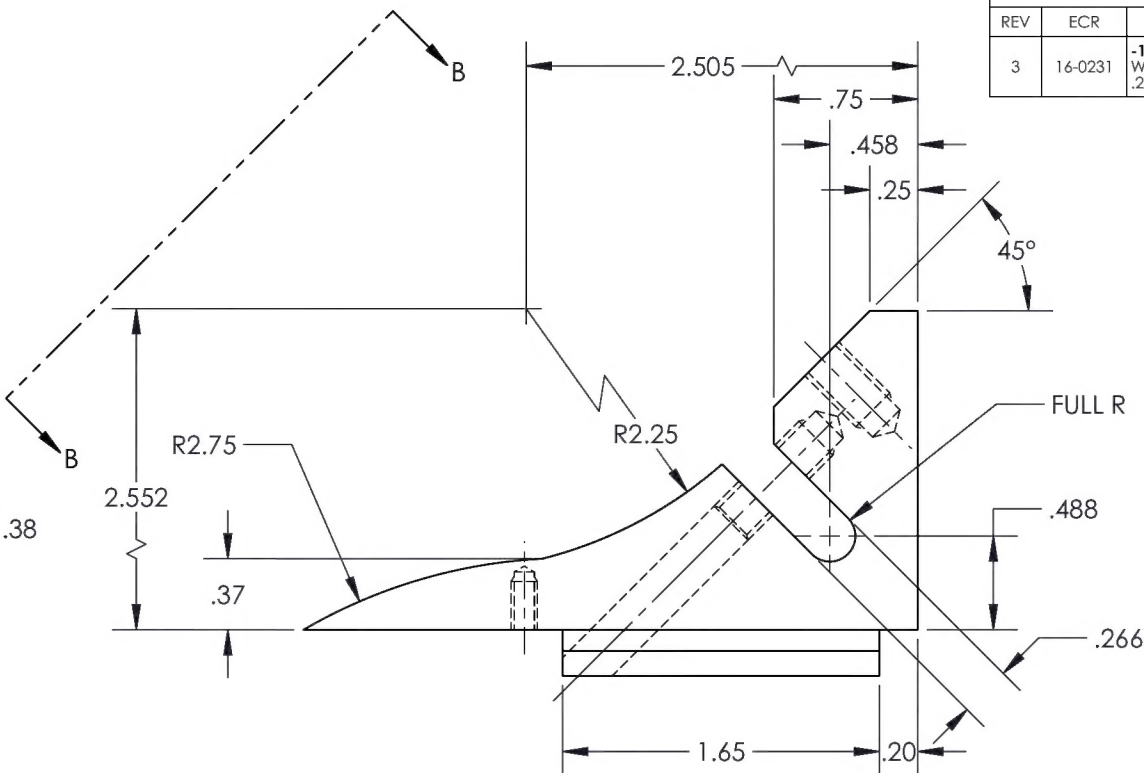
BRIDGE

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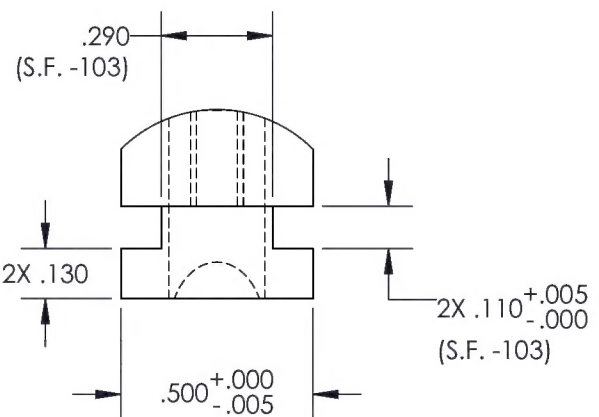
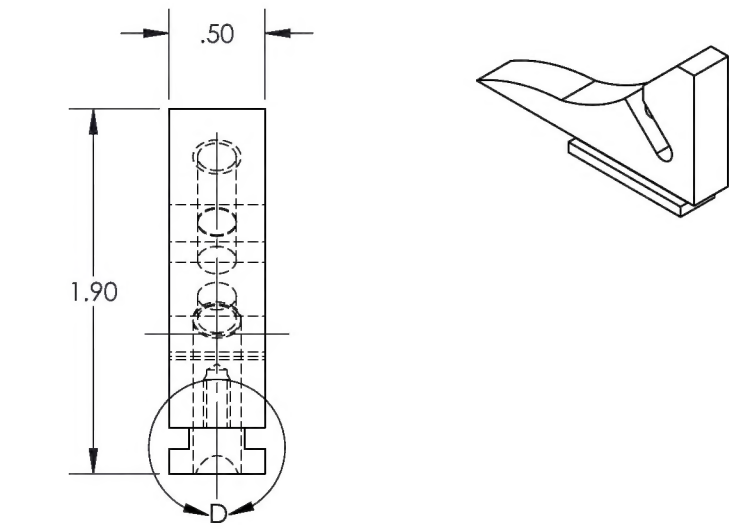
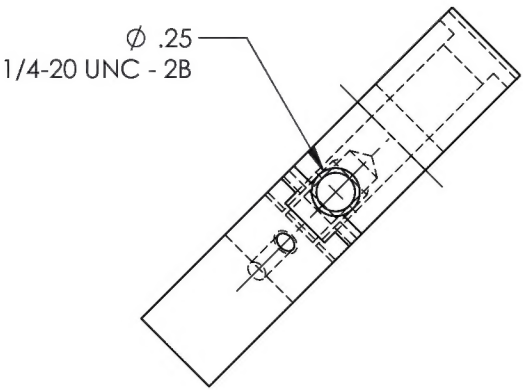
| REVISIONS | | | | | |
|-----------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 3 | 16-0231 | -107 CH'D MAT'L WAS NYLON OR DELRIN IS NYLON/DELRIN/ACETAL. CH'D DIMS WAS .530 IS (.530), WAS 1.900 IS 1.90, WAS .135 IS 2X .130, WAS .105 IS 2X .110 +.005-.000 (S.F. -103). ADDED DIMS .25, .25, .500 +.000 -.005 (S.F. -103). | 11/23/2016 | DPD | JAG |



VIEW B-B



VIEW C-C



DETAIL D
SCALE 2 : 1

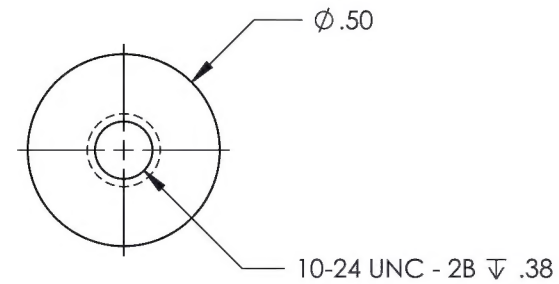
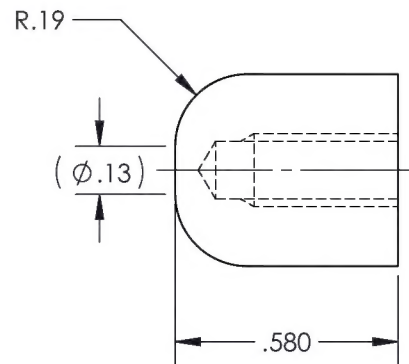
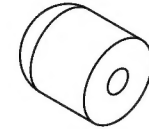
(-107)
HOOK

SECTION A-A

| DART AEROSPACE | | | |
|----------------------------|----------------|--------------------------------------------------------|----------|
| TITLE TAB TOOL | | | |
| DWG NO. RBH9928-101-107 | | | REV 3 |
| MAT'L NYLON/DELIN/ACETAL | | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | |
| HEAT TREAT | | .XXX ± .005 FRACTIONS ± 1/8 | |
| FINISH | | .XX ± .01 ANGLES ± 5° | |
| SPEC | | .X ± .1 SURFACES = 125 | |
| DRAWN BY: PERRITT | | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R | |
| CHECKED: MACKOVJAK | | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING | |
| OPPS APPR: ANDERSON | | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| QA APPR: LINDSAY | | USED ON MODEL | |
| APPROVED: GILBERT | | MD500, MD520, MD530 | |
| SCALE 1:1 | DATE 8/15/2007 | SHEET 4 OF 9 | |

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| REVISIONS | | | | | |
|-----------|---------|------------------------------------------------------------------------------------------|------------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 3 | 16-0231 | -109 CH'D MAT'L WAS NYLON OR DELRIN IS NYLON/DELRIN/ACETAL. CH'D DIM WAS Ø.13 IS (Ø.13). | 11/23/2016 | DPD | JAG |



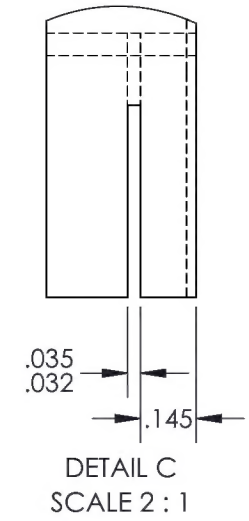
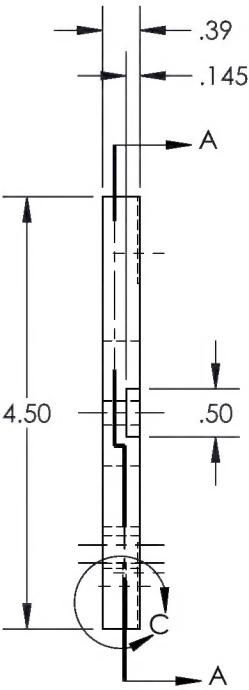
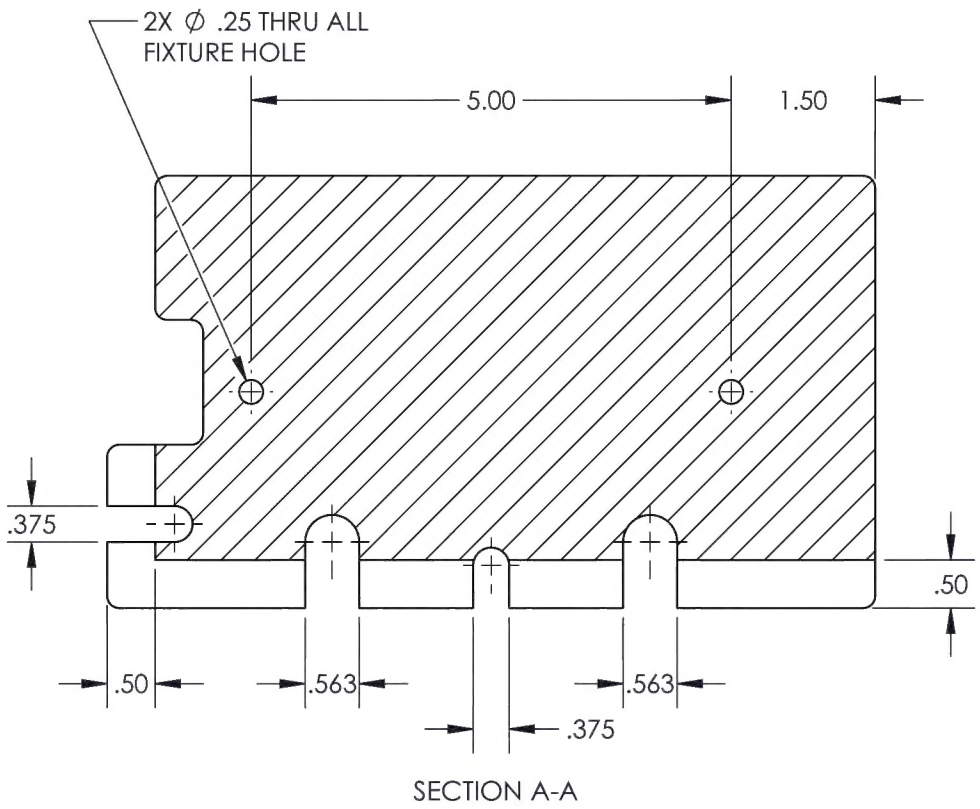
(-109)

GLIDE

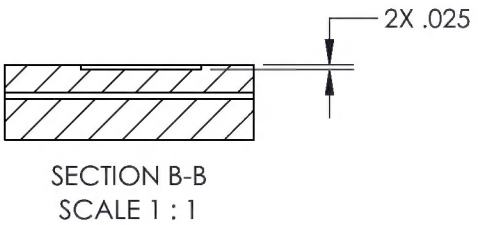
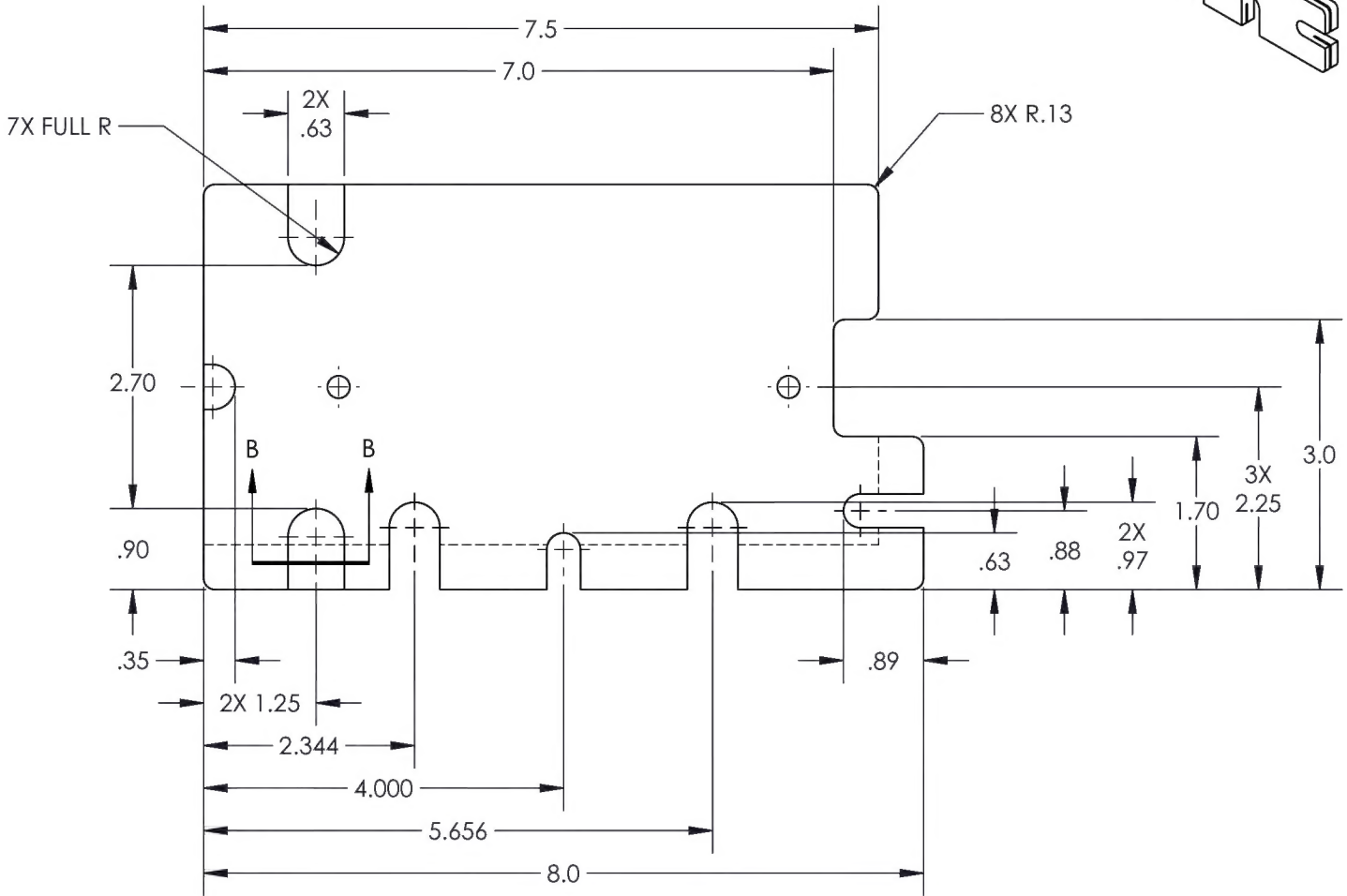
| | |
|-----------------------------------|------------------------------|
| DART AEROSPACE | |
| TITLE TAB TOOL | |
| DWG NO. RBH9928-101-109 | REV 3 |
| MAT'L NYLON/DELRIN/ACETAL | UNLESS OTHERWISE SPECIFIED |
| TREAT | DIMENSIONS ARE IN INCHES |
| FINISH | .XXX ± .005 FRACTIONS ± 1/8 |
| SPEC | .XX ± .01 ANGLES ± .5° |
| | .X ± .1 SURFACES = 125° ✓ |
| DRAWN BY: PERRITT | 1. BREAK ALL SHARP EDGES |
| CHECKED: MACKOVJAK | .015 x 45° OR .015R |
| OPPS APPR: ANDERSON | 2. DIMENSIONAL LIMITS APPLY |
| QA APPR: LINDSAY | AFTER PLATING |
| APPROVED: GILBERT | 3. INTERPRET DIM AND TOL PER |
| | ASME Y14.5M-2009 |
| SCALE 2:1 | DATE 8/15/2007 |
| | SHEET 5 OF 9 |

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| REVISIONS | | | | | | | |
|-----------|---------|-----------------------------------------------------|--|--|------------|---------|----------|
| REV | ECR | DESCRIPTION | | | DATE | INITIAL | APPROVED |
| 3 | 16-0231 | -111 CH'D DIMS WAS 1.25 IS 2X 1.25, WAS .40 IS .39. | | | 11/23/2016 | DPD | JAG |



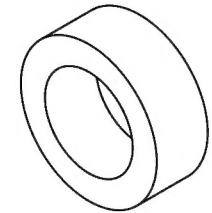
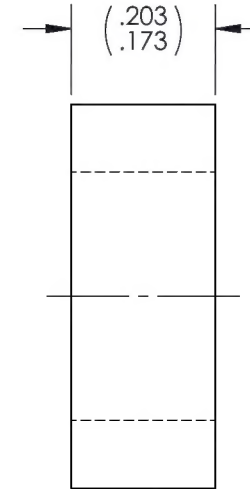
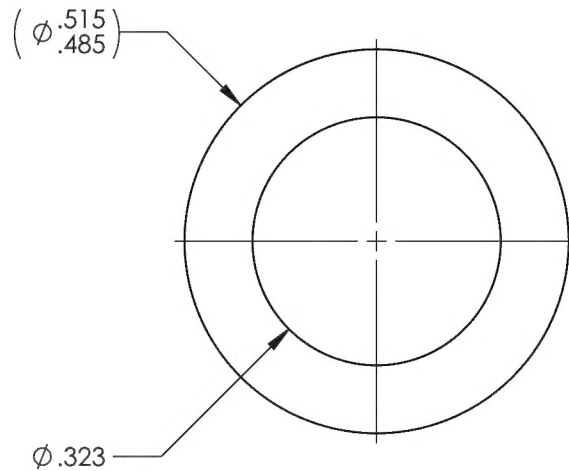
(-111)
TAB BENDER



| | | |
|-----------------------------|--------------------------------------------------------|--------------|
| TITLE TAB TOOL | | |
| DWG NO. RBH9928-101-111 | REV 3 | |
| MAT'L NYLON/DELRI/ACETAL | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | |
| HEAT TREAT | .XXX ± .005 FRACTIONS ± 1/8 | |
| FINISH | .XX ± .01 ANGLES ± 5° | |
| SPEC | .X ± .1 SURFACES = 125✓ | |
| DRAWN BY: PERRITT | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R | |
| CHECKED: MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING | |
| OPPS APPR: ANDERSON | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| QA APPR: LINDSAY | USED ON MODEL | |
| APPROVED: GILBERT | MD500, MD520, MD530 | |
| SCALE 1:2 | DATE 8/15/2007 | SHEET 6 OF 9 |

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| REVISIONS | | | | | |
|-----------|---------|---------------------|------------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 3 | 16-0231 | -131 ADDED DRAWING. | 11/23/2016 | DPD | JAG |



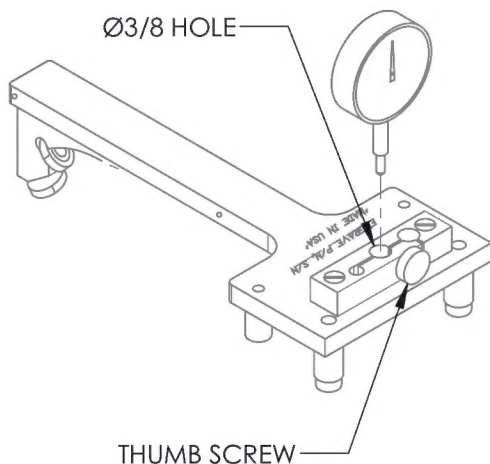
(-131)

MODIFIED SPACER

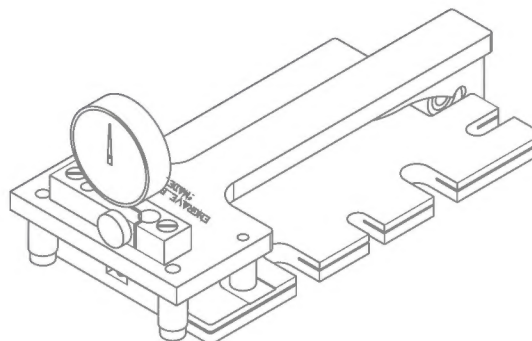
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|-----------------------------------|--------------------------------------------------------|
| DART AEROSPACE | |
| TITLE TAB TOOL | |
| DWG NO. RBH9928-101-131 | REV 3 |
| MAT'L NYLON | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES |
| FEAT | .XXX ± .005 FRACTIONS ± 1/8 |
| TREAT | .XX ± .01 ANGLES ± 5° |
| FINISH | .X ± .1 SURFACES = 125/✓ |
| SPEC | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| DRAWN BY: PERRITT | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| CHECKED: MACKOVJAK | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| OPPS APPR: ANDERSON | USED ON MODEL |
| QA APPR: LINDSAY | MD500, MD520, MD530 |
| APPROVED: GILBERT | |
| SCALE 4:1 | DATE 8/15/2007 |
| SHEET 7 OF 9 | |

MD-500 TAB TOOL INSTRUCTIONS

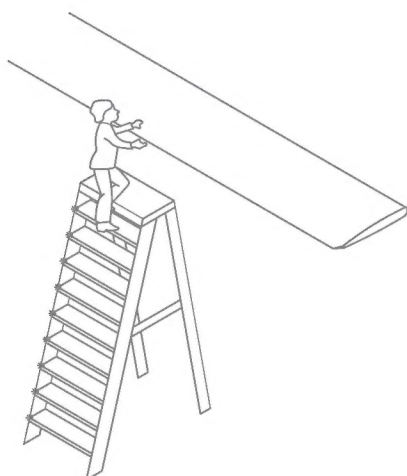
1. Insert dial indicator into 3/8 hole in tab tool part # RBH9928-101. Seat it all the way down and tighten thumb screw.



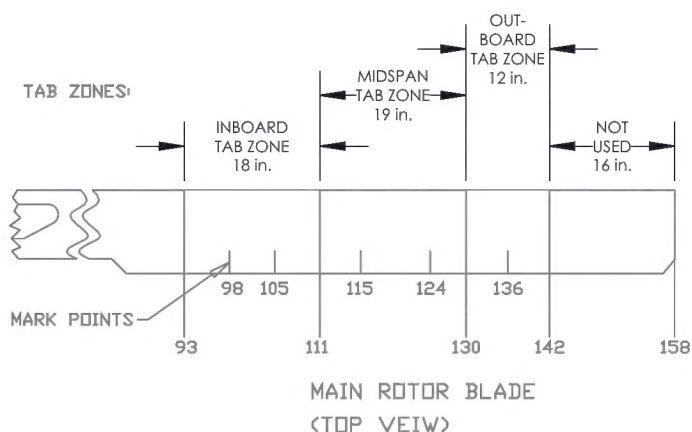
2. Place tab bender part # RBH9928-111 on the under side of tab tool part # RBH9928-101 so that the pointer of the dial indicator rests on the calibration step and the guide pins hang over the edge as shown.



3. Stand on a sturdy ladder at the trailing edge of the rotor blade, near the tabs.



4. Mark tabs as shown below.

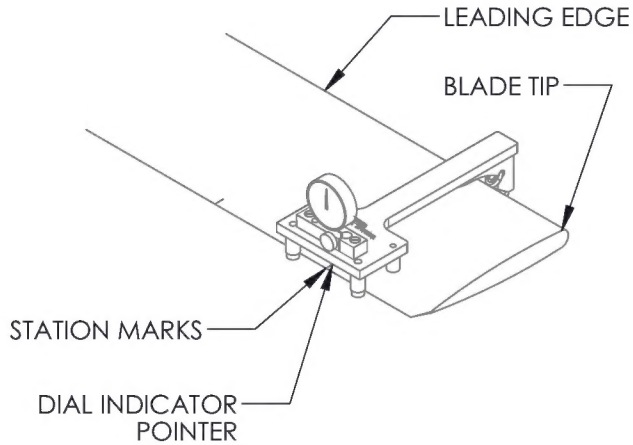


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1-800-556-4166
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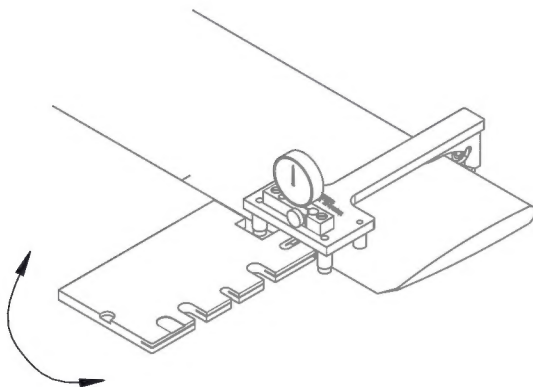
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|---------|-------------|-----------|----------|-----------------|
| TITLE | | | TAB TOOL | |
| DWG NO. | RBH9928-101 | REV | 3 | CUSTOMER 1 OF 2 |
| SCALE | DATE | 8/15/2007 | SHEET | 8 OF 9 |

MD-500 TAB TOOL INSTRUCTIONS

5. Place tab tool on blade as follows:
Hook leading-edge rollers of tab tool over the leading edge of the blade. Pull the large end (with dial indicator) aft and hook the guide pins over the trailing edge of blade tab, with the pointer of the dial indicator on the upper surface of tab.



NOTE: Prior to, or during track and balancing, the small end of the tab bender may be used to bend small tab sections to straighten waviness in the tab.



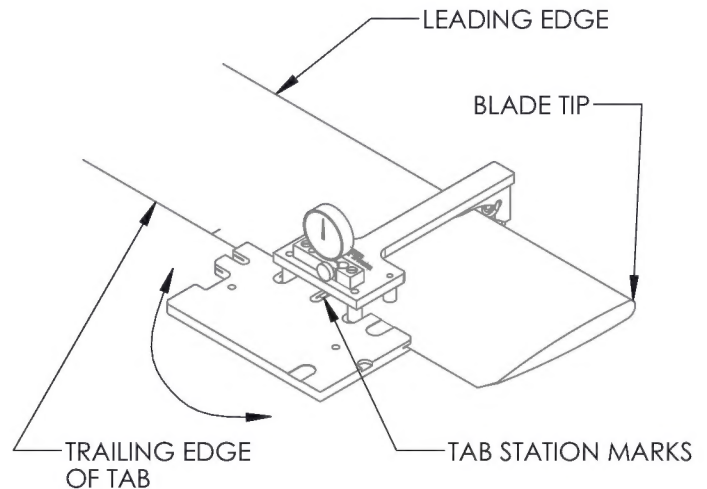
6. Slide the pointer of the dial indicator to each of the 5 marks and record the setting at each station (average the two readings for the inner and middle tab zones). Use an arrow to indicate whether the tab is up or down.

| | TAB MEASUREMENT STATIONS | | | | | | |
|---------|--------------------------|------|------|---------|------|------|----------|
| | INBOARD | | | MIDSPAN | | | OUTBOARD |
| | 98" | 105" | AVG. | 115" | 124" | AVG. | 136" |
| BLADE 1 | | | | | | | |
| BLADE 2 | | | | | | | |
| BLADE 3 | | | | | | | |
| BLADE 4 | | | | | | | |
| BLADE 5 | | | | | | | |

1 MIL = .001"

INDICATE OR

7. Place tab bender on tab and bend tab the prescribed amount (up or down) at each corresponding mark.



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| | | | |
|----------|-------------|-----------|-----------------|
| TITLE | | | |
| TAB TOOL | | | |
| DWG NO. | RBH9928-101 | REV | CUSTOMER 2 OF 2 |
| SCALE | DATE | 8/15/2007 | SHEET 9 OF 9 |